

FIG. 1 PRIOR ART

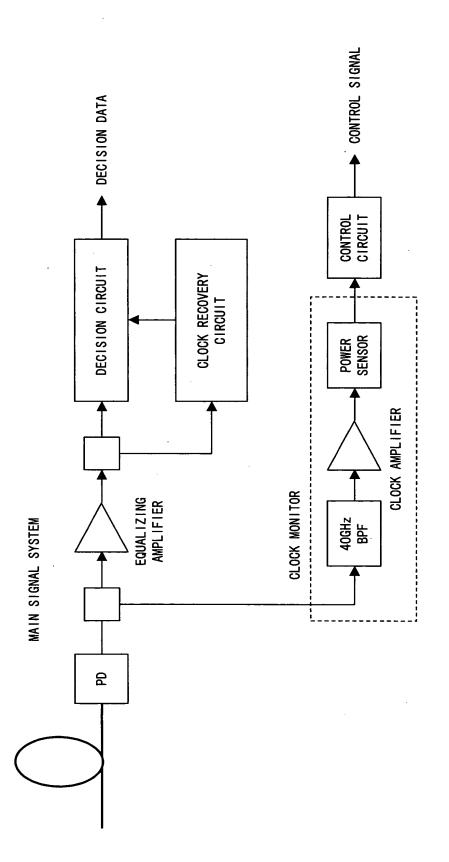


FIG. 2 PRIOR ART

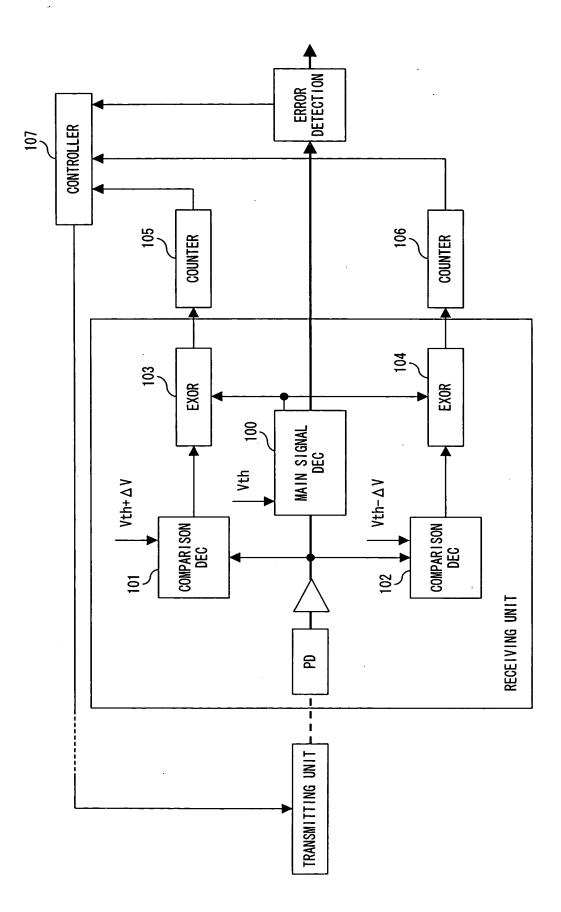


FIG. 3 PRIOR ART

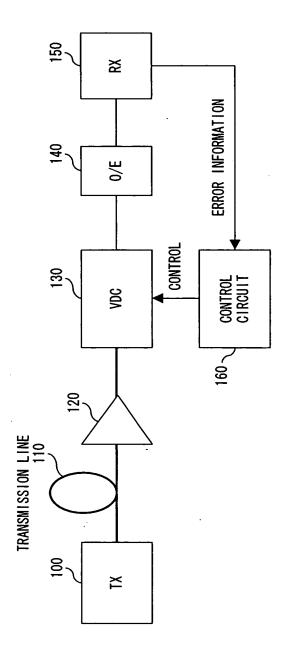


FIG. 4 PRIOR ART

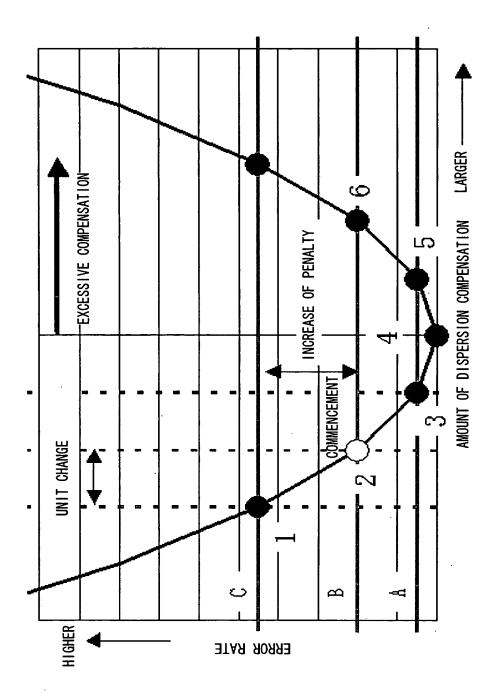


FIG. 5 PRIOR ART

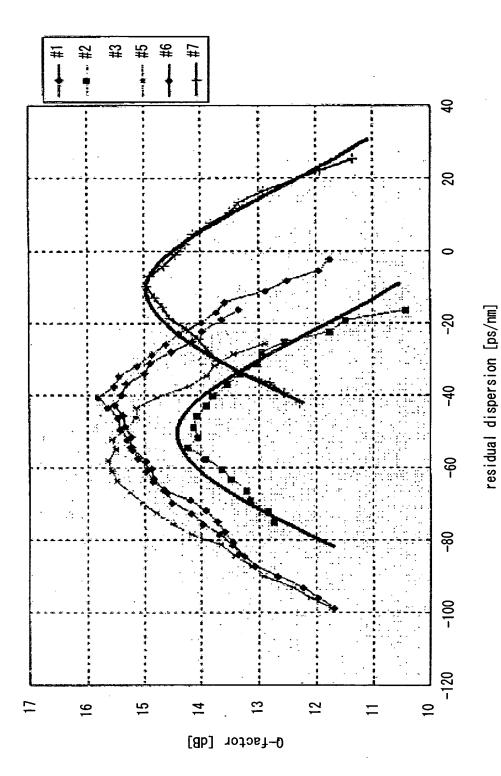
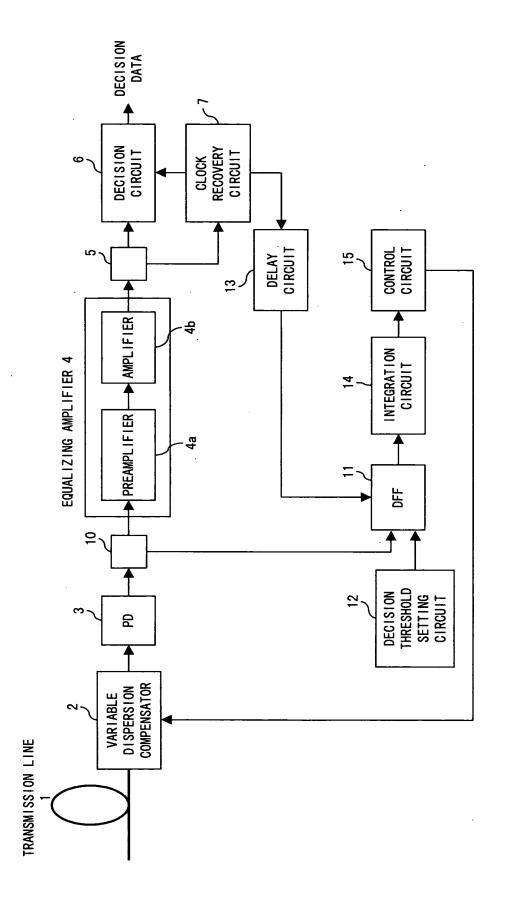
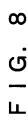
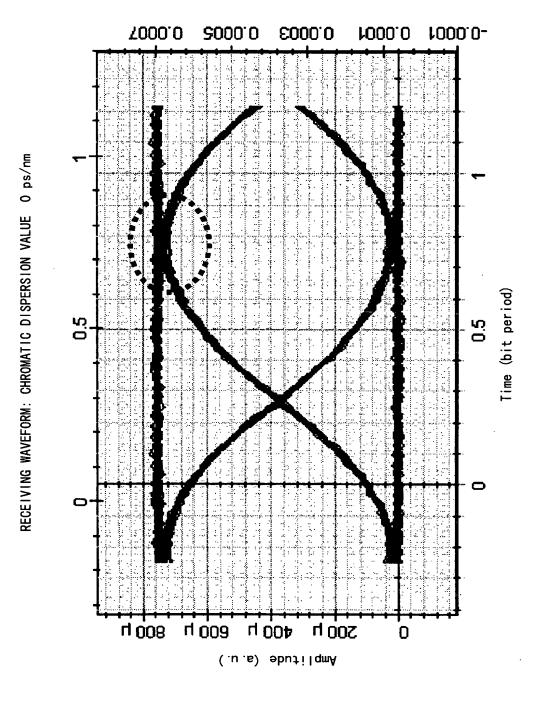


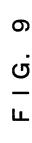
FIG. 6 PRIOR ART

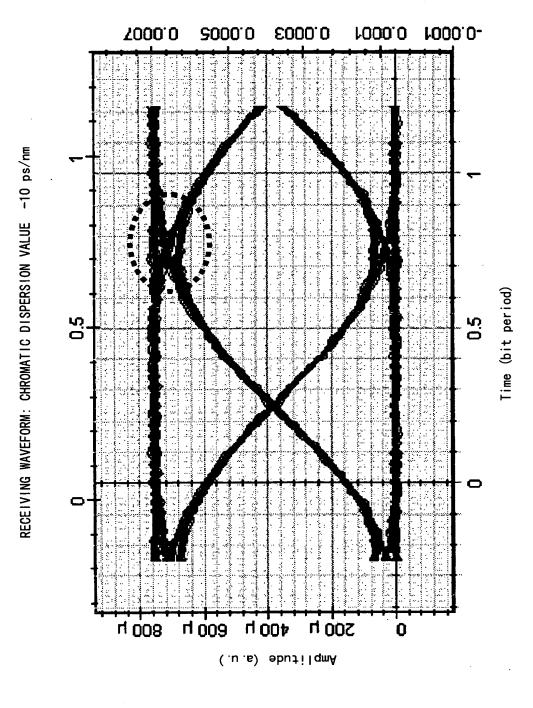


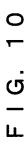
F1G. 7

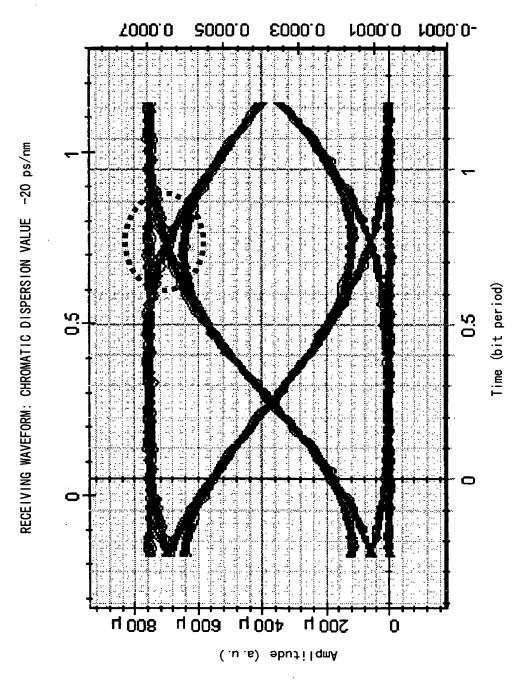




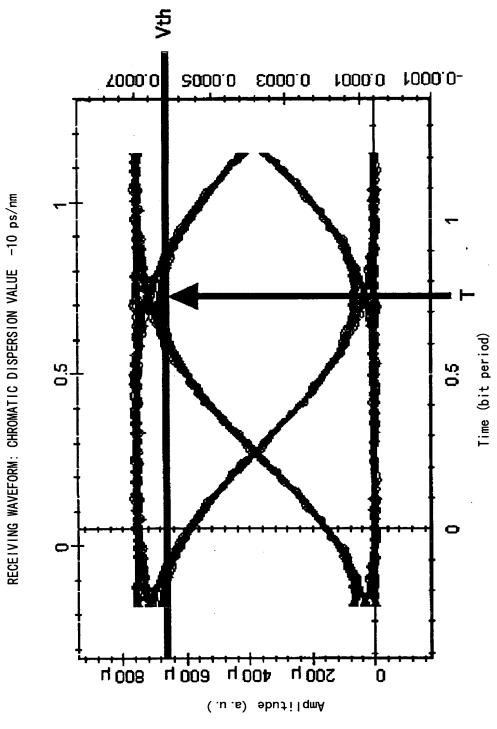


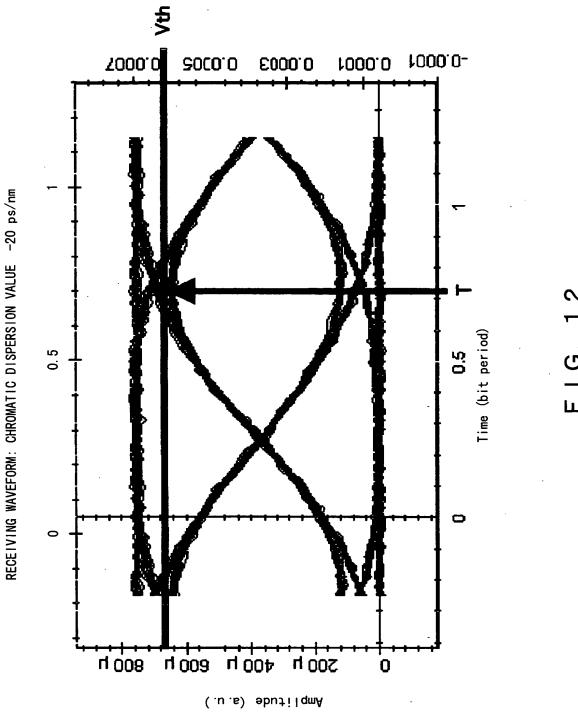












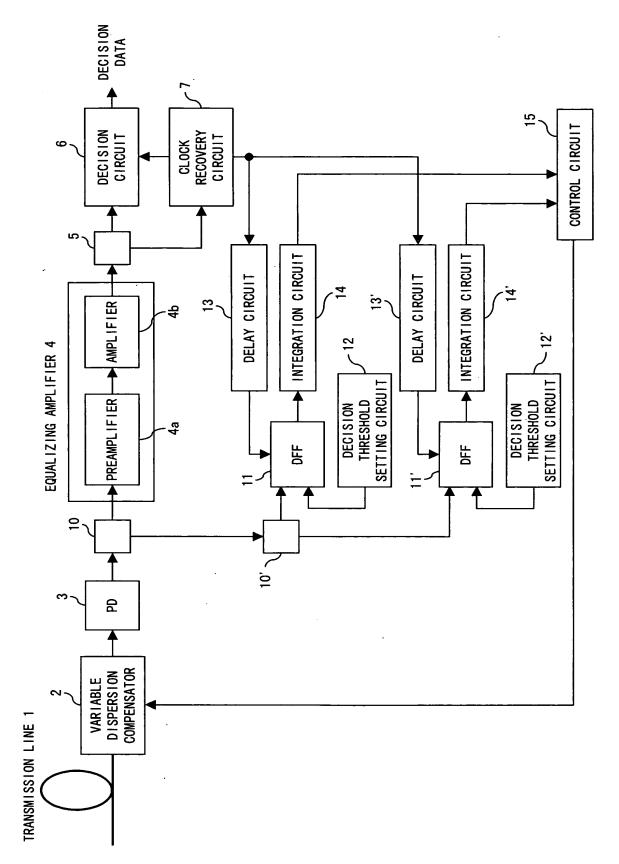
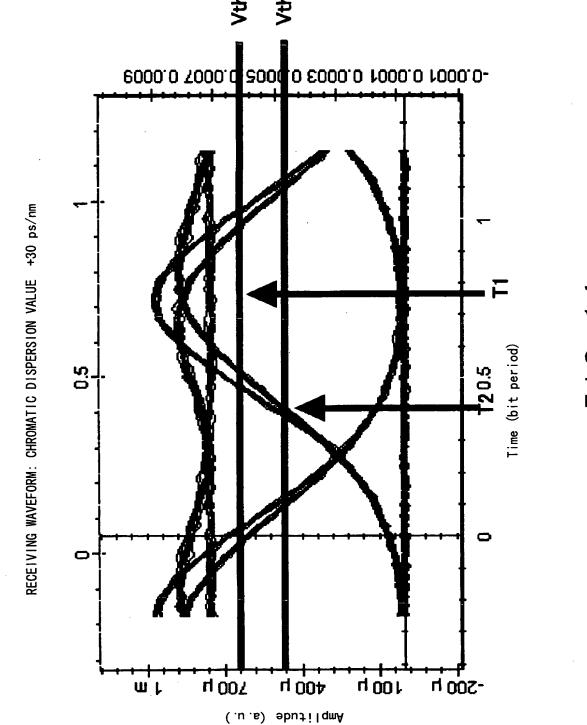


FIG. 13



F | G. 14

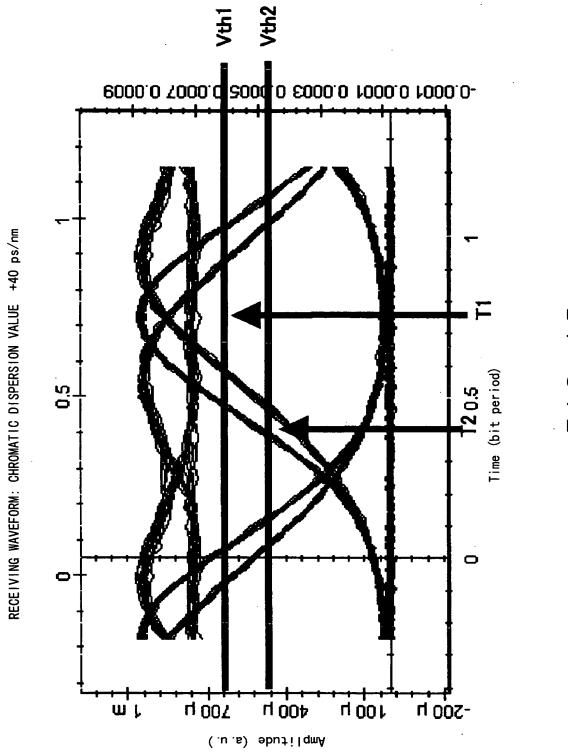
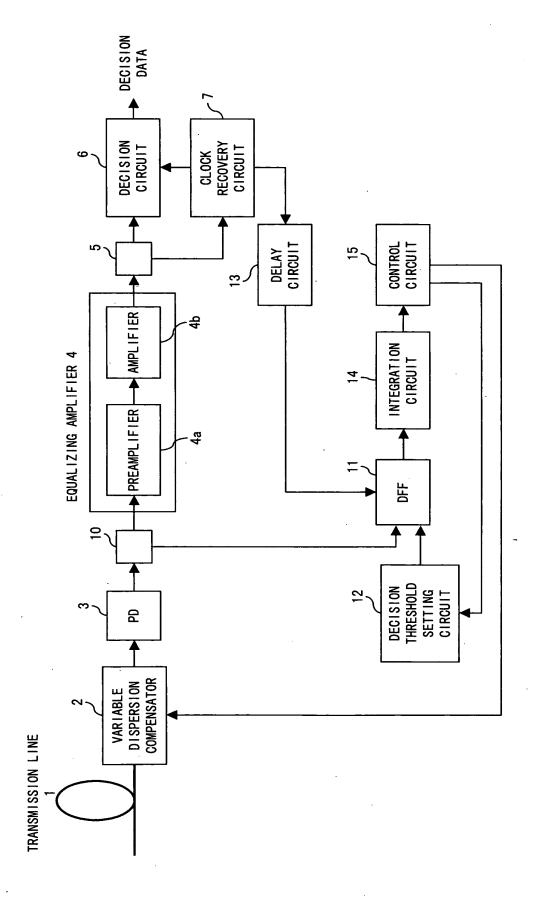
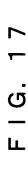
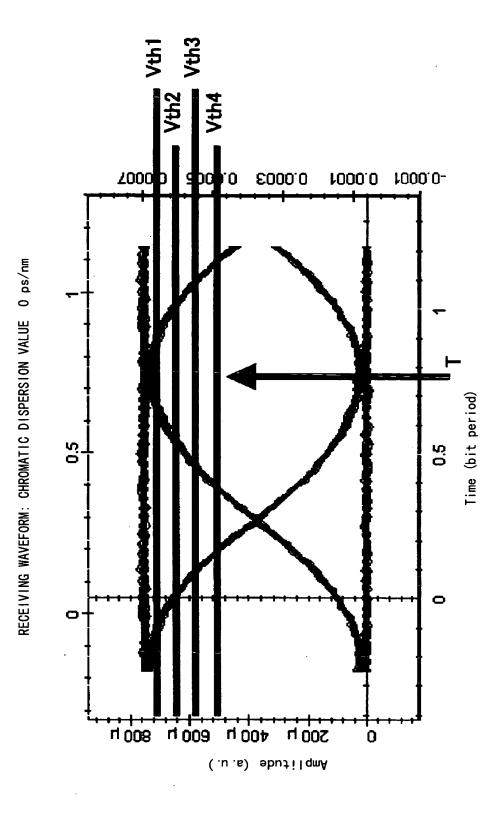


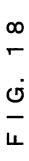
FIG. 15

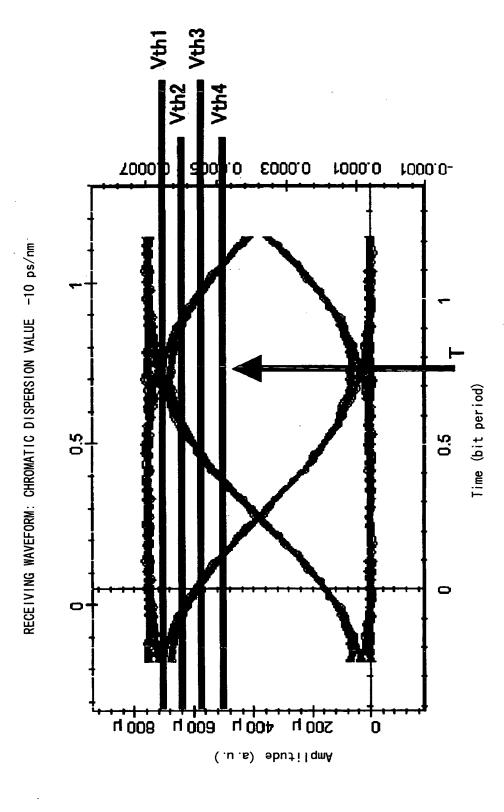


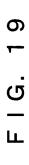
F1G. 16

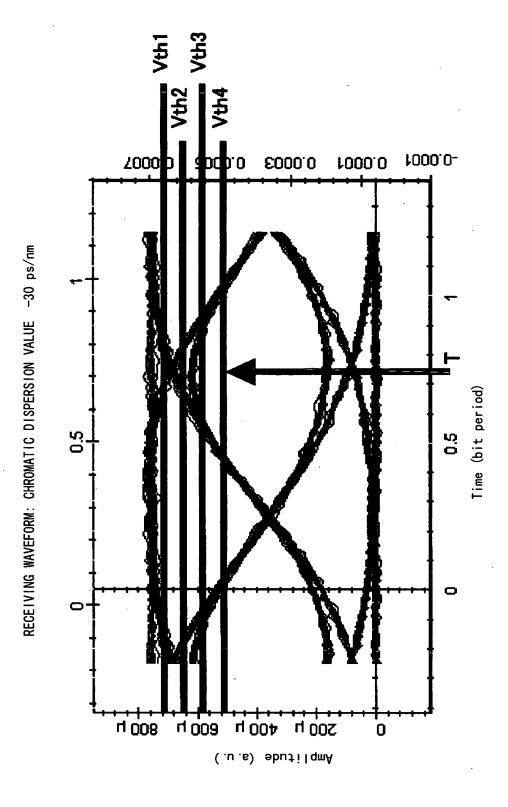


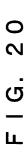


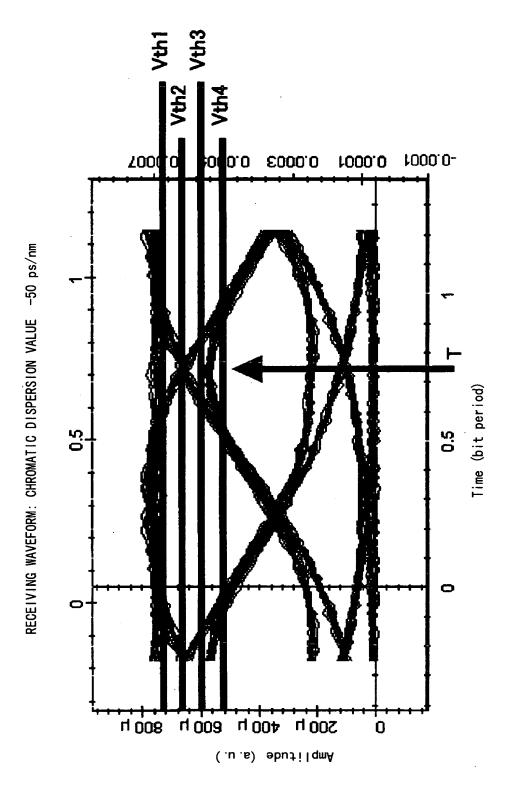












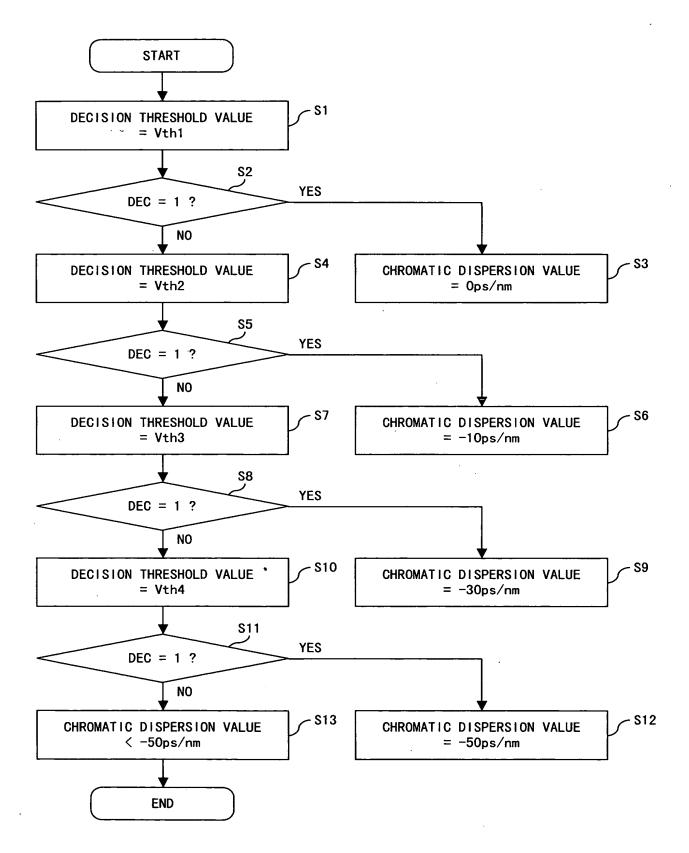
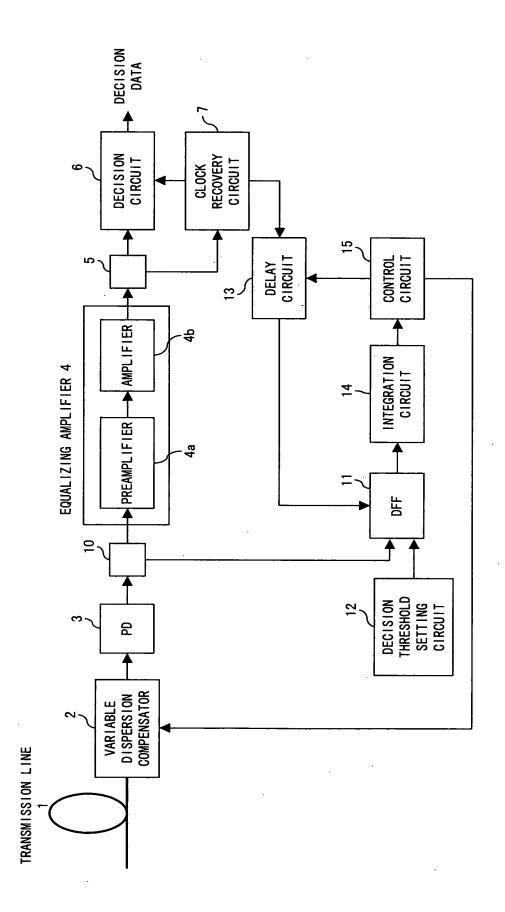
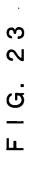
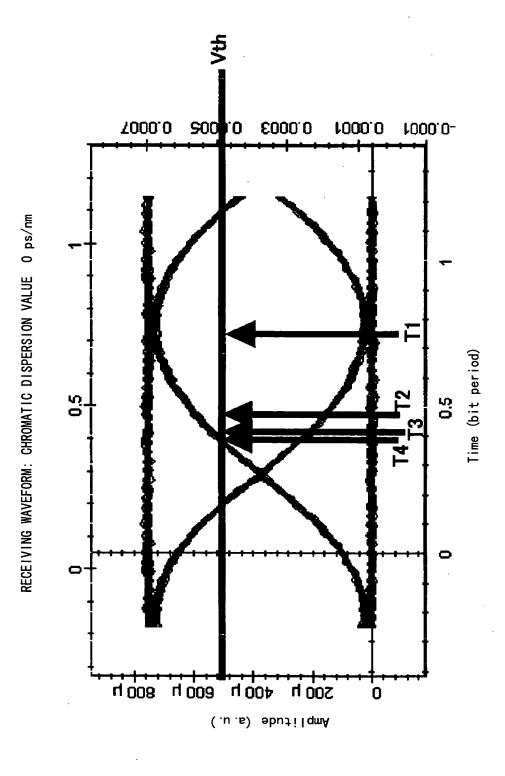


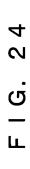
FIG. 21

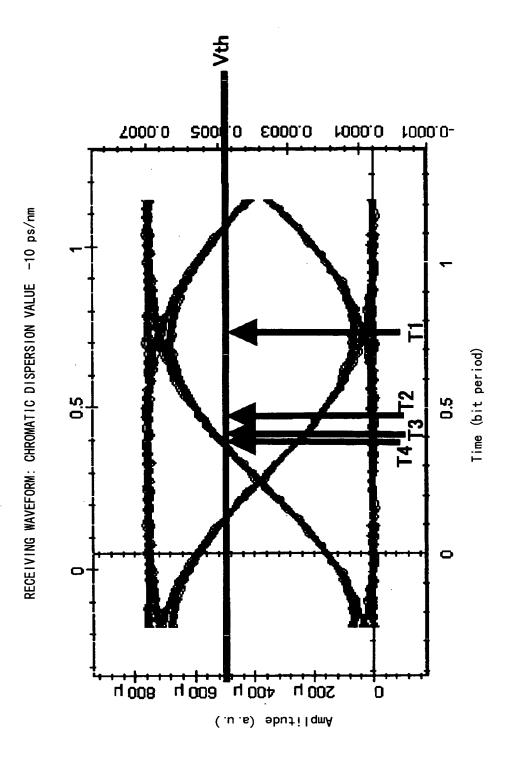


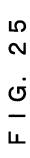
F1G. 22

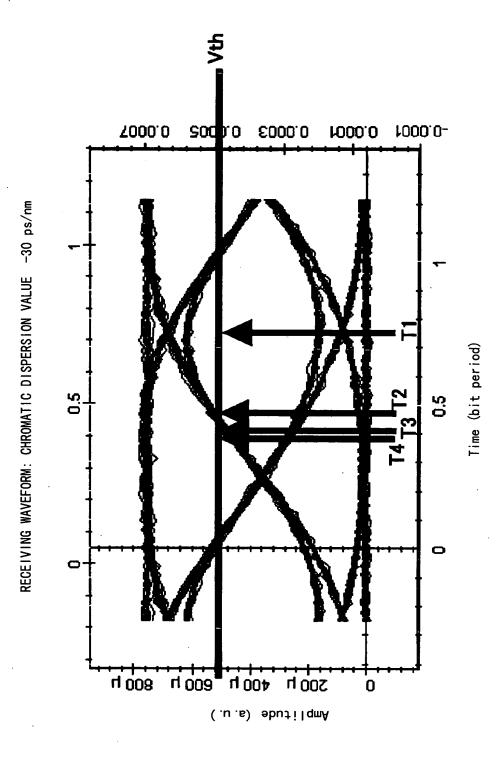


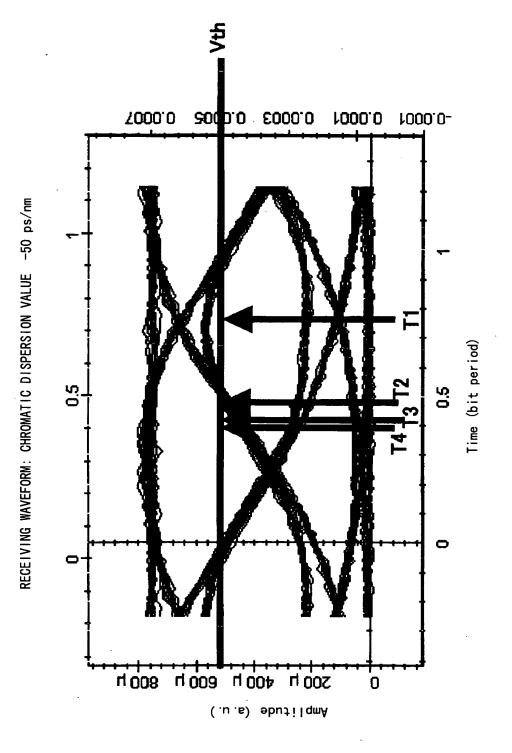












F1G. 26

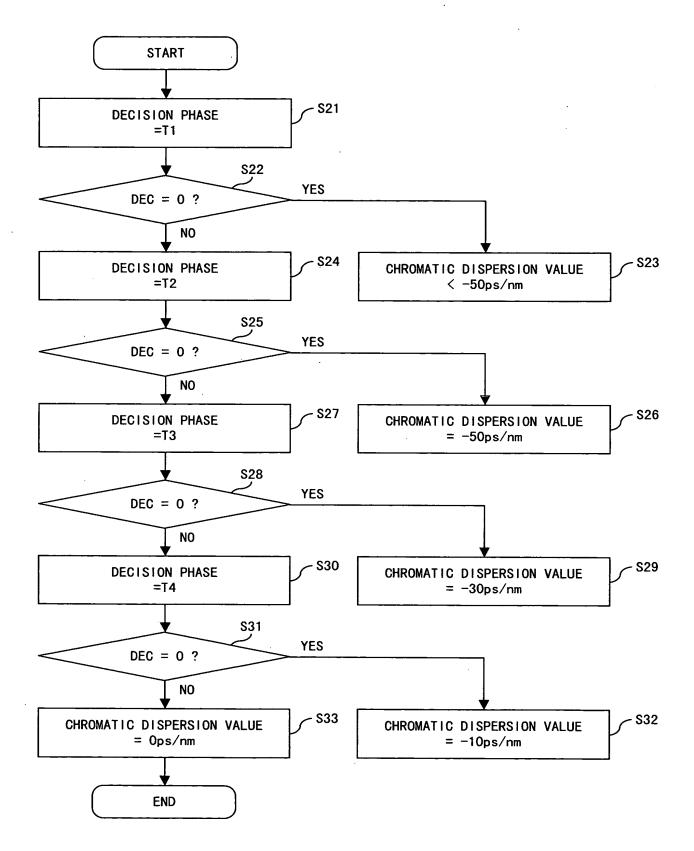
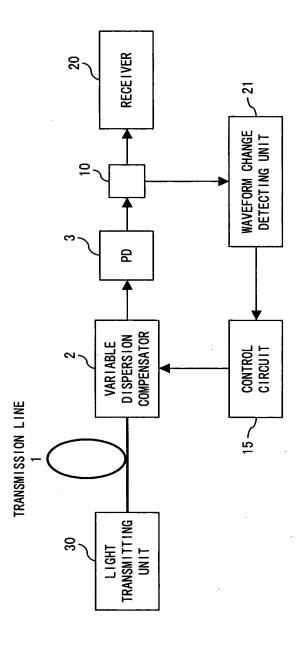


FIG. 27



F I G. 28

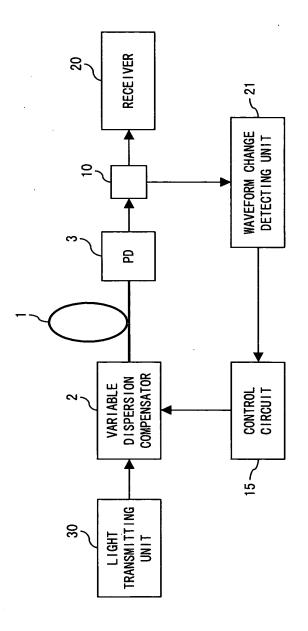


FIG. 29

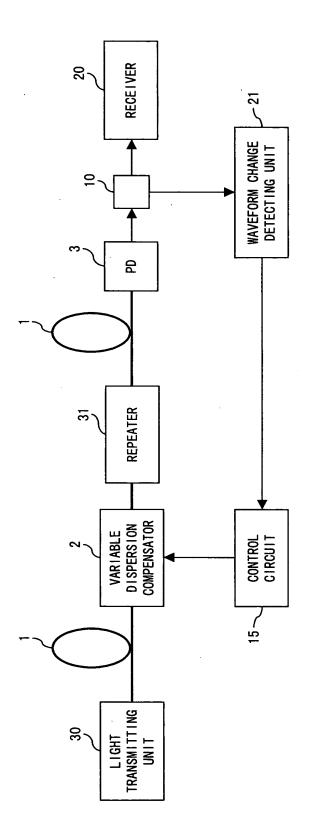


FIG. 30

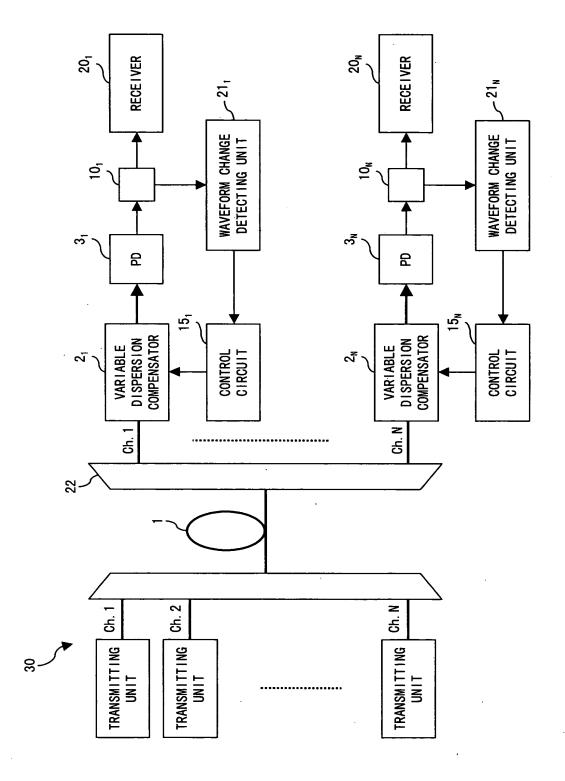


FIG. 31

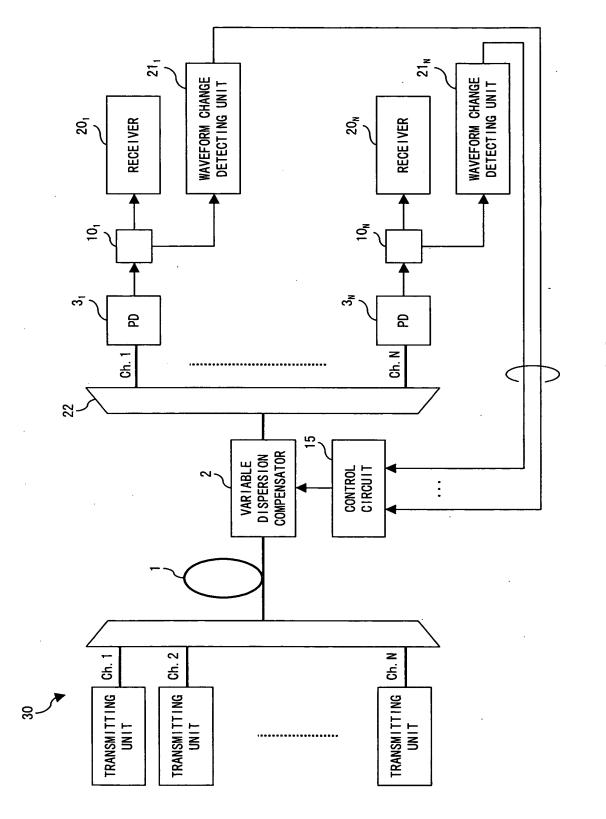
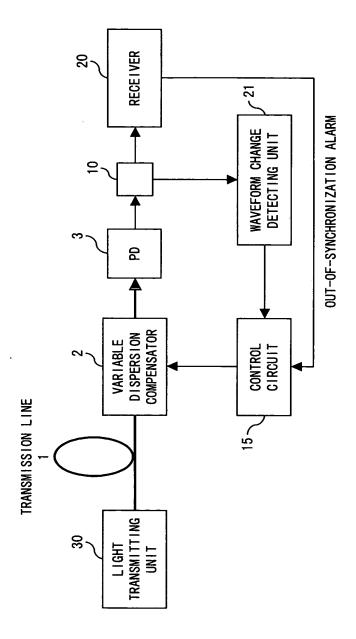


FIG. 32



F | G. 33

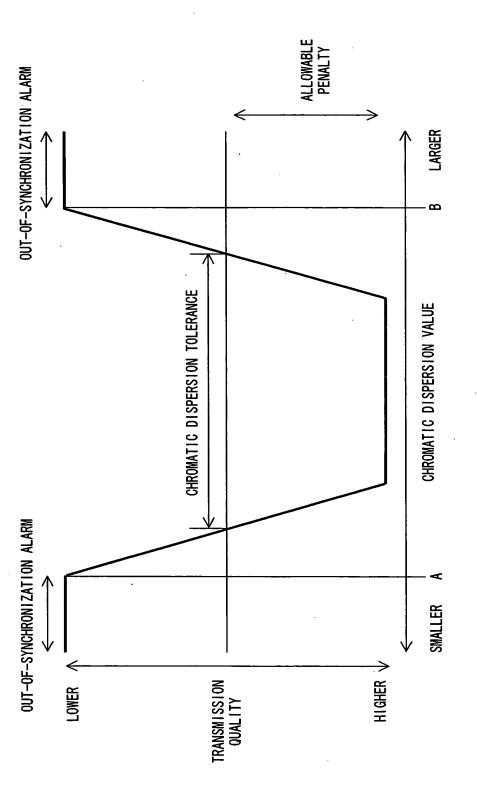
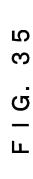
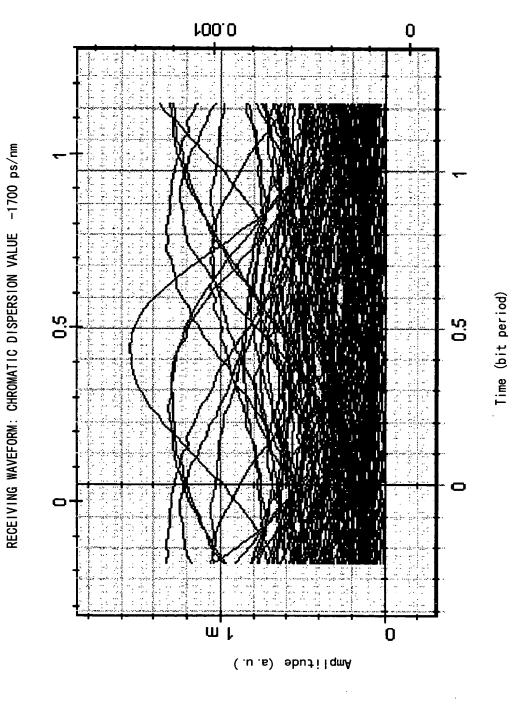


FIG. 34

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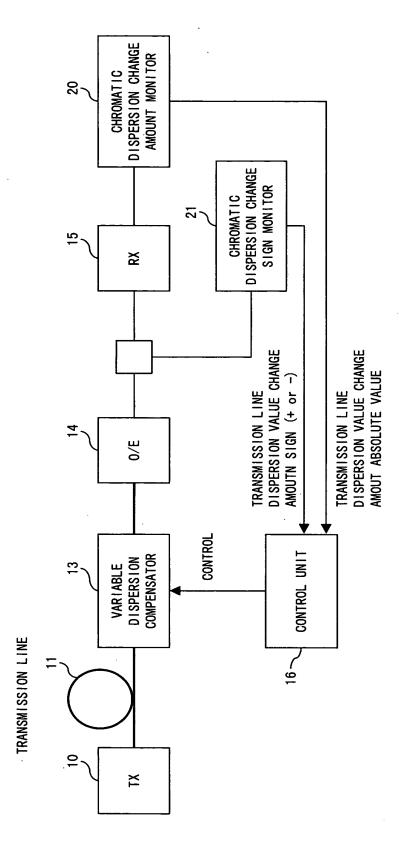
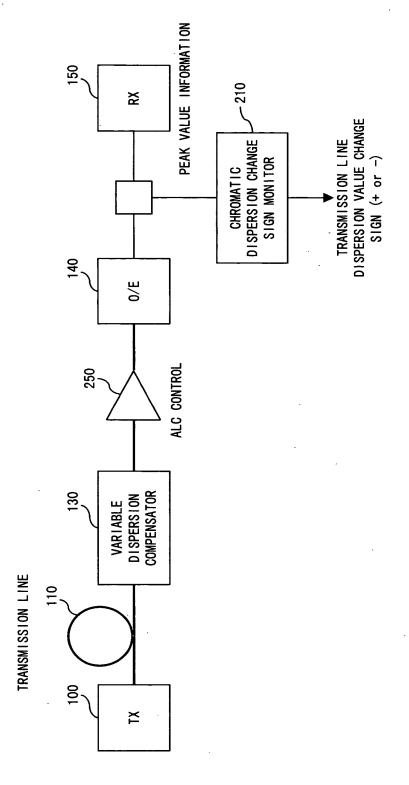
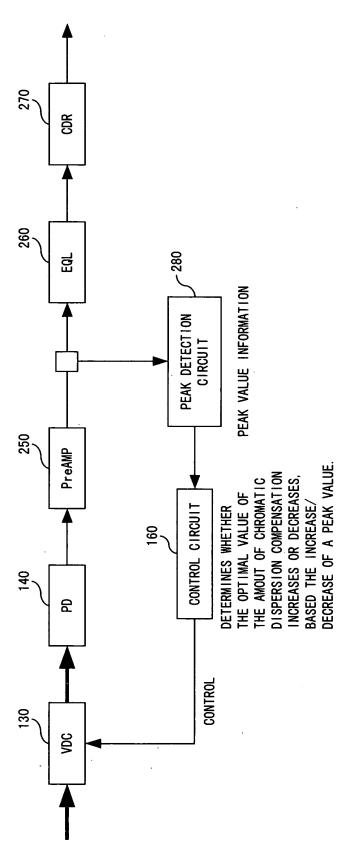


FIG. 36

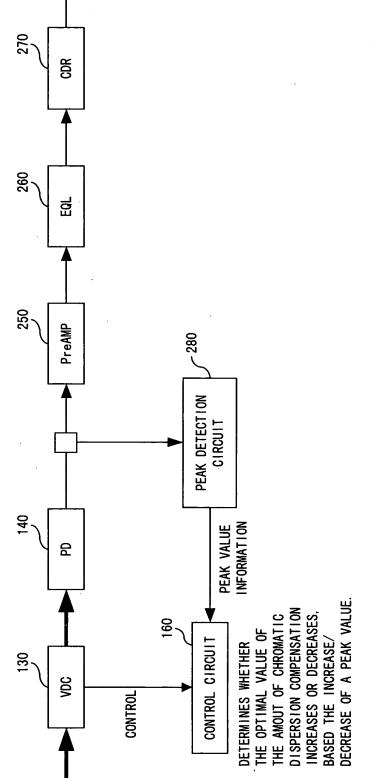
F | G. 37



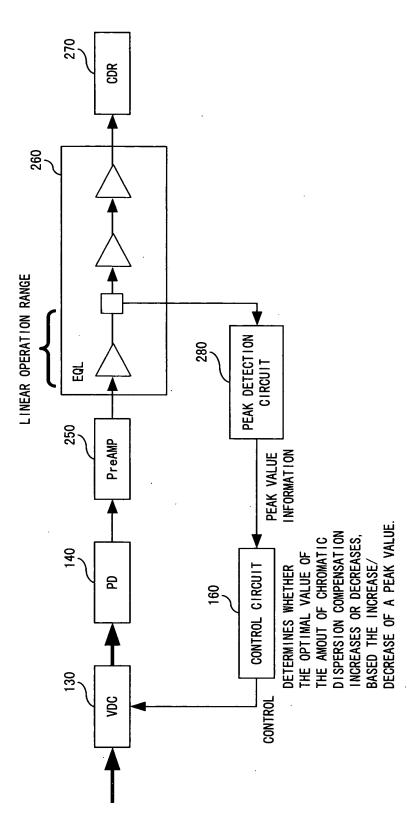
F I G. 38



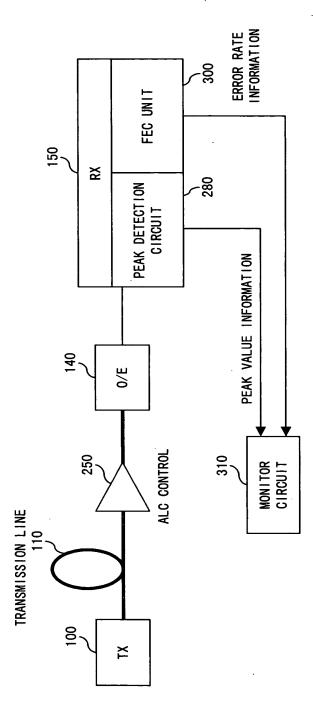
F I G. 39



F1G. 40

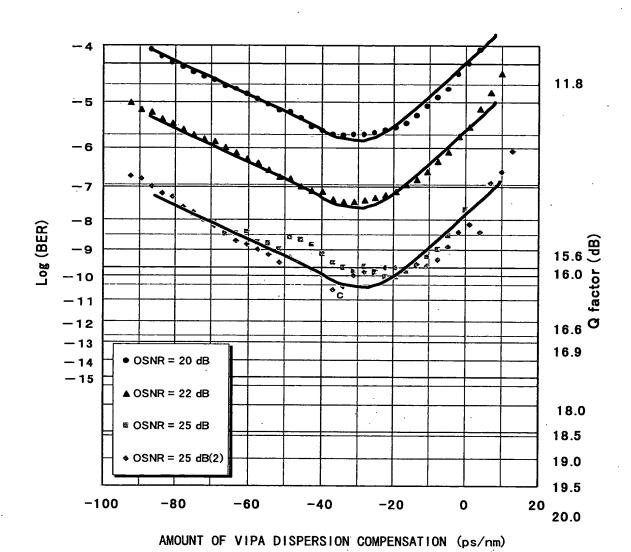


F - G. 41



PEAK INFORMATION : DECISION OF THE INCREASE/DECREASE OF THE OPTIMAL AMOUNT OF DISPERSION COMPENSATION ERROR RATE INFORMATION : DECISION OF THE AMOUNT OF CHANGE OF THE OPTIMAL AMOUNT OF DISPERSION COMPENSATION

FIG. 42



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FIG. 43

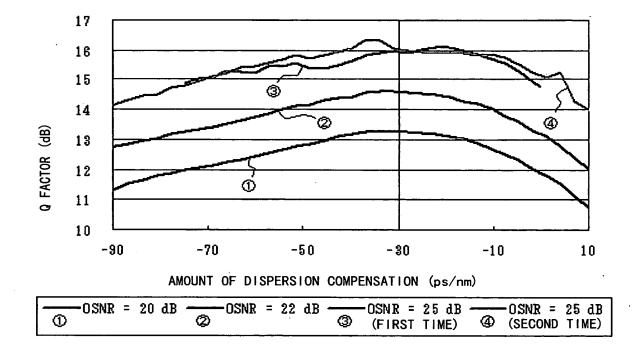
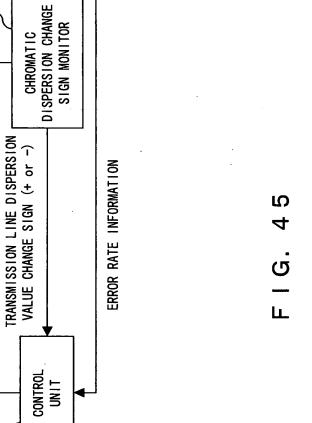


FIG. 44



300

210

CHROMATIC

FEC UNIT

0/E

VARIABLE DISPERSION COMPENSATOR

ĭ

130

9

TRANSMISSION LINE

110

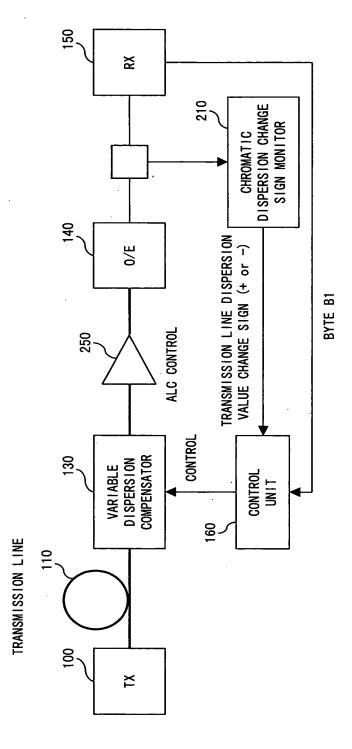
ALC CONTROL

CONTROL

160

쫎

150



F I G. 46

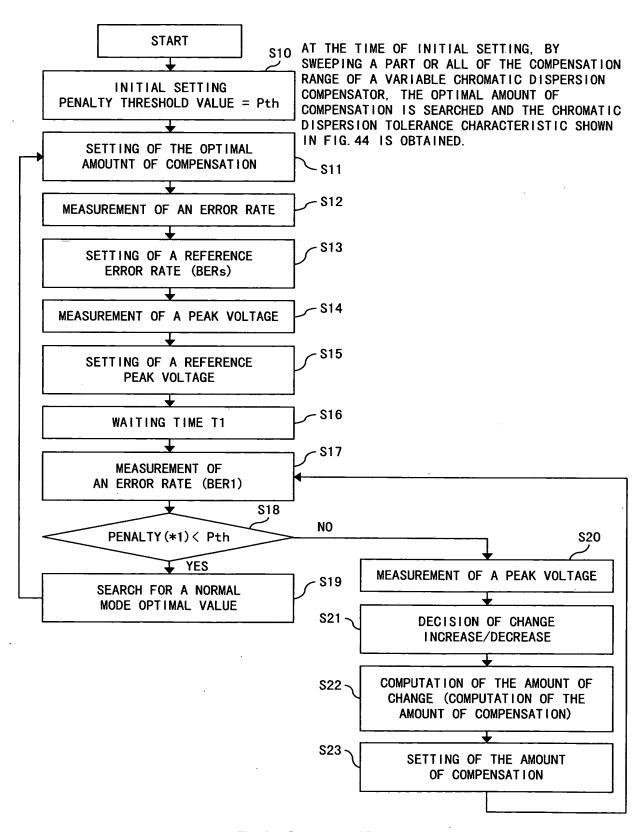


FIG. 47

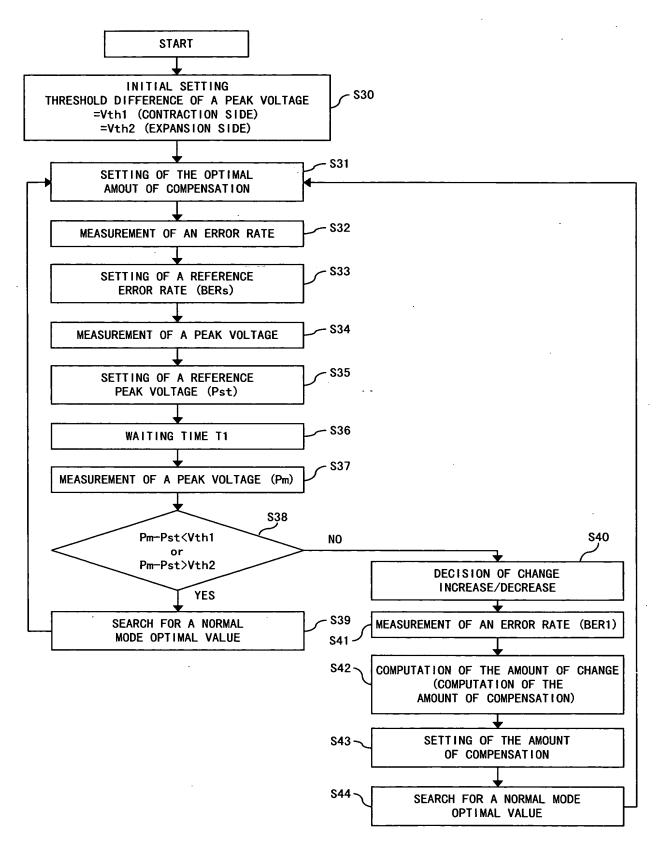


FIG. 48

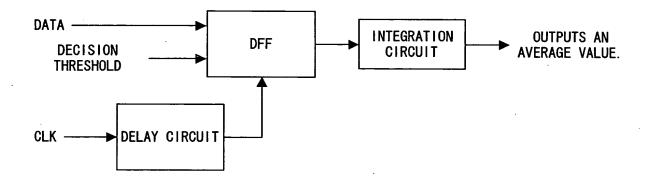
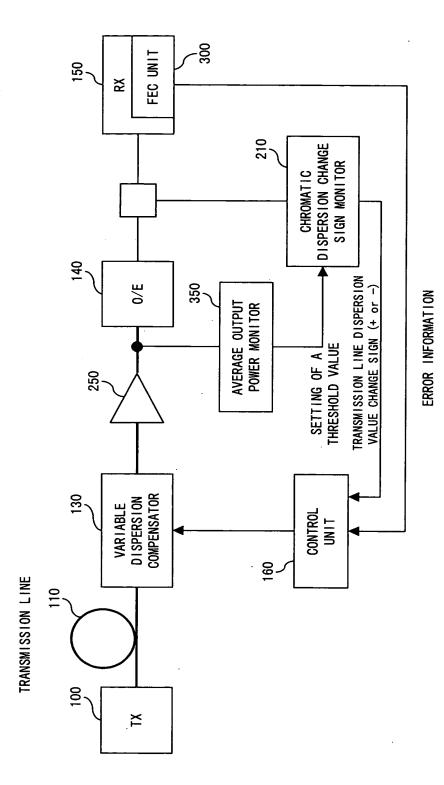
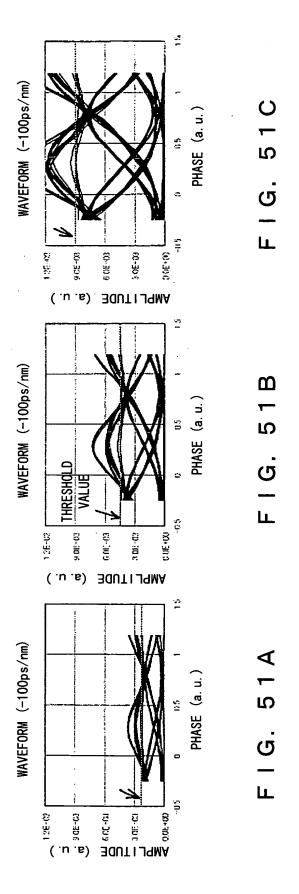
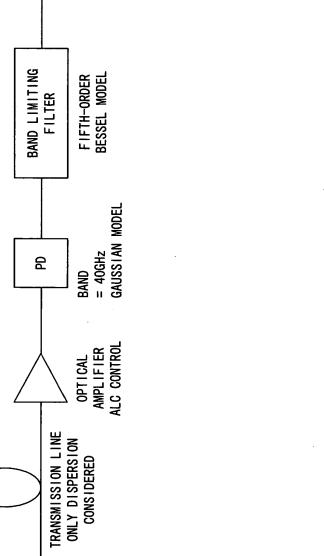


FIG. 49



F | G. 50





40Gb/s NRZ

Σ

WAVEFORM MONITOR

F1G. 52

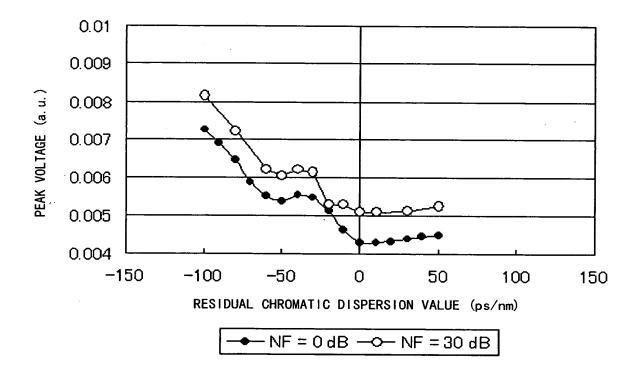


FIG. 53

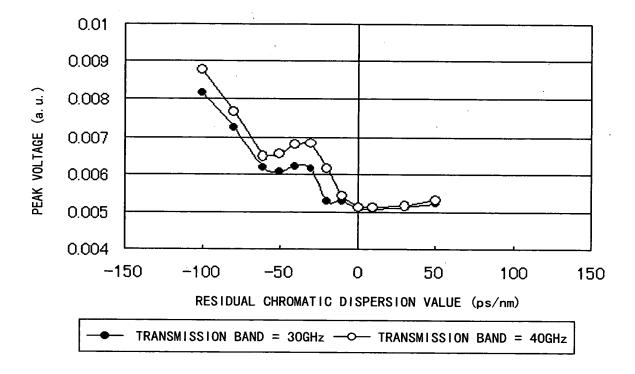
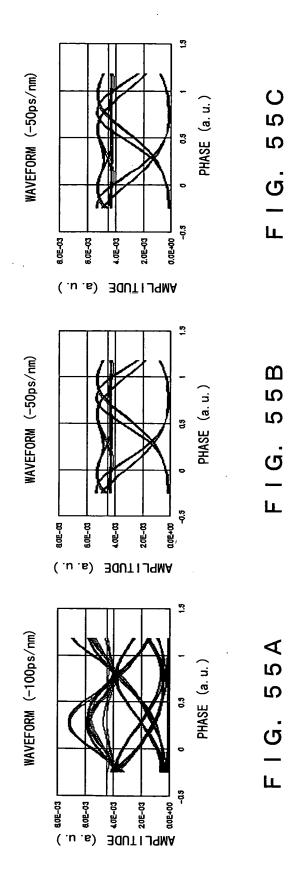


FIG. 54



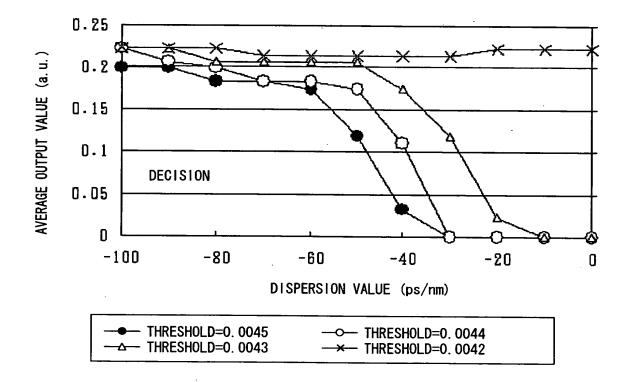


FIG. 56